

### **Listing of Claims**

1-24. (Canceled)

25. (Currently Amended) A pre-assembled disposable fluid processing set for use in a photoactivation treatment of a biological fluid comprising:

a first container with a photochemical agent contained therein, said container being adapted for joinder to a source container of biological fluid and being enclosed within an overwrap that is impermeable to light of a selected photoactivating wavelength range;

a second container downstream of and pre-attached to said first container for holding the biological fluid and the photochemical agent during a photoactivation treatment, wherein said container is made of a material that is substantially translucent to light in the photoactivating wavelength range;

a sealed but openable flow path between said first and second containers;

a third container downstream of and pre-attached to said second container for receiving at least said biological fluid from said second container, said third container including adsorbent material for removing at least one or both of excess photochemical agent and photoactivation by-products from said biological fluid;

a sealed but openable flow path between said second and

third containers;

a fourth container downstream of and pre-attached to said third container for receiving said biological fluid from said third container;

a sealed but openable flow path between said third and fourth containers.

26-28. (Canceled)

29. (Currently Amended) The disposable fluid processing set of Claim 25 wherein said adsorbent material is contained within a semipermeable pouch housed within said ~~second~~ third container.

30-33. (Canceled)

34. (Previously Presented) The disposable processing set of Claim 27 comprising a tubing segment including an openable flow path for establishing flow communication between said third and fourth containers.

35-37. (Canceled)

38. (Previously Presented) The disposable fluid processing set of Claim 25 wherein said overwrap is impermeable to light in the UVA wavelength range.

39. (Previously Presented) The disposable fluid processing set of Claim 25 wherein said second container is made of a material that is substantially translucent to photoactivating light in the UVA range.

40. (Previously Presented) The disposable processing set of

Claim 25 further including a holder for temporarily holding at least said third container.

41. (Previously Presented) The disposable processing set of Claim 25 including a holder for temporarily holding said third and fourth containers.

42. (Previously Presented) The disposable fluid processing set of Claim 25 wherein said openable flow paths include frangible connectors.

43. (Previously Presented) The disposable fluid processing set of Claim 42 wherein said openable flow paths comprise plastic tubes with said frangible connectors disposed therein.

44. (Previously Presented) The disposable fluid processing set of claim 25 wherein said third container is a flow-through device.